

IN THE CLAIMS:

1. (Original) A relay device comprising:

a first signal reception unit receiving a signal from the outside;

a first radio communication unit transmitting the signal by radio that is received by said first signal reception unit;

a second radio communication unit provided separately from said first radio communication unit and transmission/reception of the signal by radio;

a detection unit detecting transmission/reception of the signal by said second radio communication unit; and

a first inhibition unit inhibiting, during a period in which transmission/reception of the signal by said second radio communication unit is detected by said detection unit, transmission of the signal by said first radio communication unit.

2. (Original) The relay device according to claim 1, further comprising a second signal transmission/reception unit provided separately from said first signal reception unit and transmitting/receiving a signal to/from the outside, wherein

said second radio communication unit transmits the signal in response to reception by said second signal transmission/reception unit.

3. (Original) The relay device according to claim 1, further comprising a storage unit storing, during the period in which transmission of the signal by said first radio communication unit is inhibited by said inhibition unit, the signal received by said first signal reception unit.

4. (Original) The relay device according to claim 3, wherein said first radio communication unit transmits the signal stored by said storage unit when transmission/reception of the signal by said second radio communication unit is finished.

5. (Original) The relay device according to claim 1, further comprising a second inhibition unit inhibiting, when the signal received by said first signal reception unit is a predetermined signal, transmission of the signal by said first radio communication unit.

6. (Original) A method of relaying a signal by a relay device including a first signal reception unit receiving a signal from the outside, a first radio communication unit transmitting the signal by radio that is received by said first signal reception unit and a second radio communication unit provided separately from said first radio communication unit and transmitting/receiving a signal by radio, comprising the steps of:

receiving signal by said first signal reception unit;
transmitting said received signal by said first radio communication unit;

detecting transmission/reception of a signal by said second radio communication unit; and

inhibiting, during a period in which transmission/reception of the signal by said second radio communication unit is detected, transmission of the signal by said first radio communication unit.

7. (Original) A relay program product executed by a relay device including a first signal reception unit receiving a signal from the outside, a first radio communication unit transmitting the signal by radio that is received by said first signal reception unit and a second radio communication unit provided separately from said first radio communication unit and transmitting/receiving a

signal by radio, said relay device executing said relay program product to perform the steps of:

receiving a signal by said first signal reception unit;

transmitting said received signal by said first radio communication unit;

detecting transmission/reception of a signal by said second radio communication unit; and

inhibiting, during a period in which transmission/reception of the signal by said second radio communication unit is detected, transmission of the signal by said first radio communication unit.

8. (Original) A computer-readable recording medium having a relay program recorded thereon, said relay program being executed by a relay device including a first signal reception unit receiving a signal from the outside, a first radio communication unit transmitting the signal by radio that is received by said first signal reception unit and a second radio communication unit provided separately from said first radio communication unit and transmitting/receiving a signal by radio, and said relay device executing said relay program to perform the steps of:

receiving a signal by said first signal reception unit;

transmitting said received signal by said first radio communication unit;

detecting transmission/reception of a signal by said second radio communication unit; and

inhibiting, during a period in which transmission/reception of the signal by said second radio communication unit is detected, transmission of the signal by said first radio communication unit.

9. *(Currently amended)* The method of relaying a signal by a relay device according to claim 6, further comprising the steps of:

providing a second signal transmission/reception unit separately from said first signal reception unit; and

transmitting/receiving a signal to/from the outside,

wherein said second radio communication unit transmits the signal in response to reception by said second signal transmission/reception unit.

10. *(Previously presented)* The method of relaying a signal by a relay device according to claim 6, further comprising the step of:

storing in a storage unit, during the period in which transmission of the signal by said first radio communication unit

is inhibited by said inhibition unit, the signal received by said first signal reception unit.

11. (*Previously presented*) The method of relaying a signal by a relay device according to claim 10, further comprising the step of:

transmitting by said first radio communication unit the signal stored by said storage unit when transmission/reception of the signal by said second radio communication unit is finished.

12. (*Currently amended*) The method of relaying a signal by a relay device according to claim 6, further comprising the steps step of:

inhibiting by a second inhibition unit, when the signal received by said first signal reception unit is a predetermined signal, transmission of the signal by said first radio communication unit.